

SYSTEM AND METHOD FOR AUTOMATIC MULTIPLE LISTENER ROOM ACOUSTIC CORRECTION WITH LOW FILTER ORDERS

ABSTRACT OF THE DISCLOSURE

A system and a method for correcting, simultaneously at multiple-listener positions, distortions introduced by the acoustical characteristics includes warping room responses, intelligently weighing the warped room acoustical responses to form a weighted response, a low order spectral fitting to the weighted response, forming a warped filter from the low order spectral fit, and unwarping the warped filter to form the room acoustical correction filter.